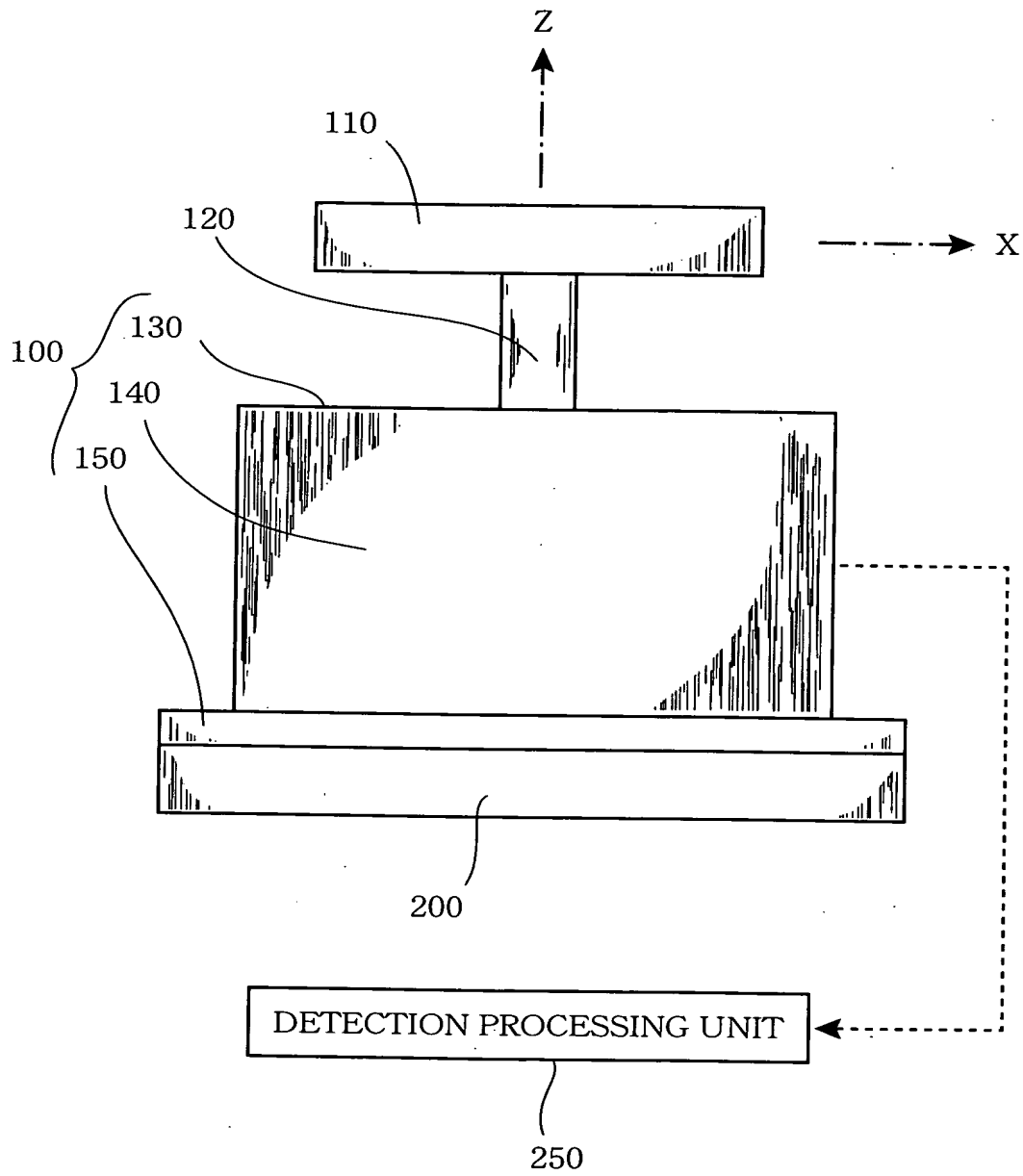


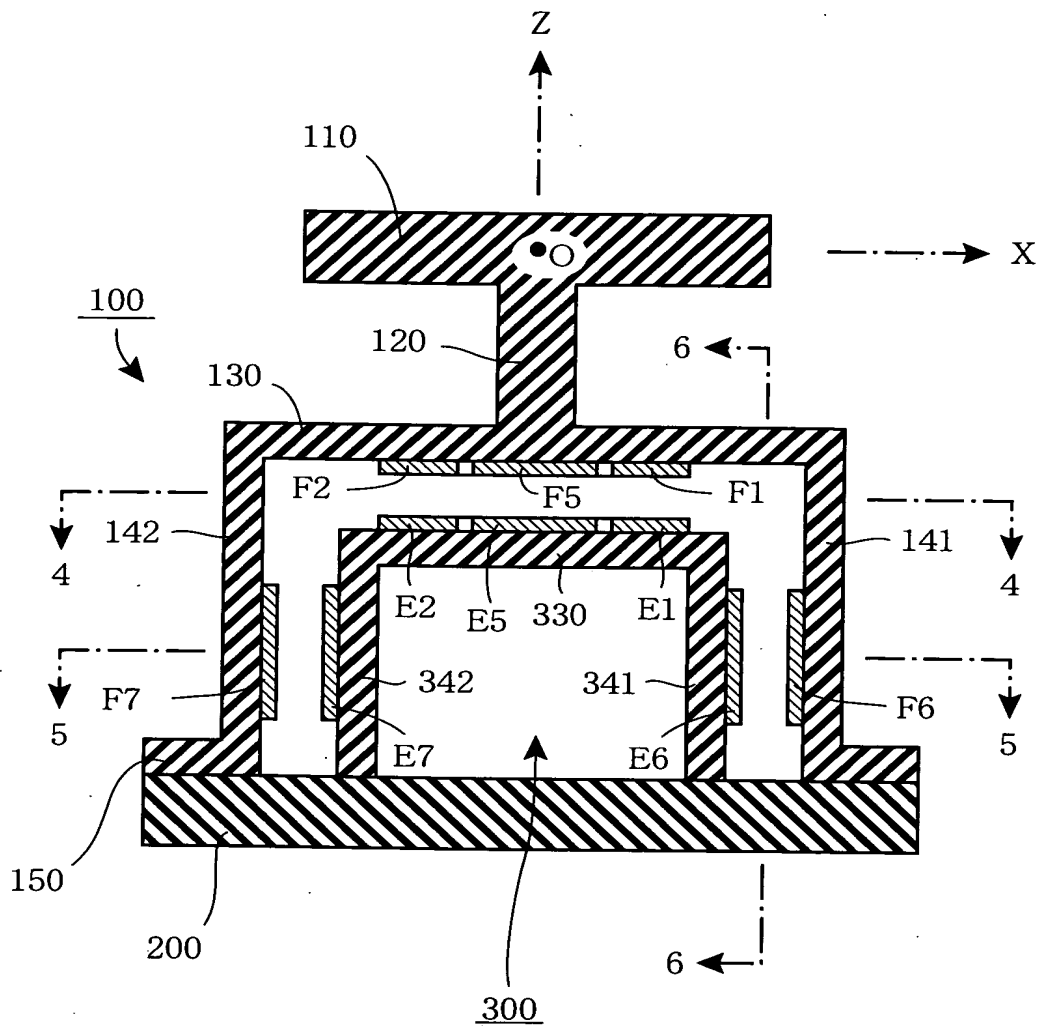
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Fig.1



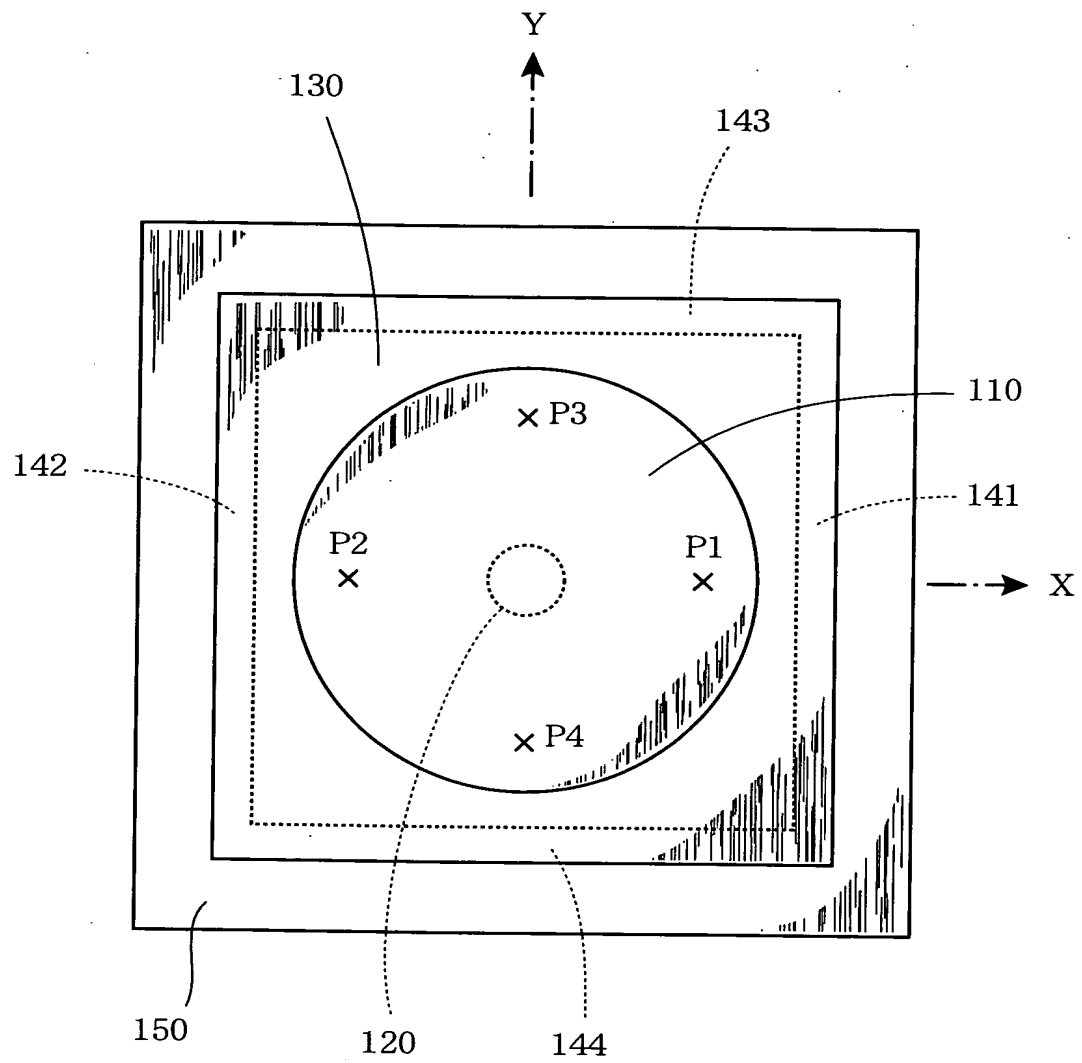
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Fig.2



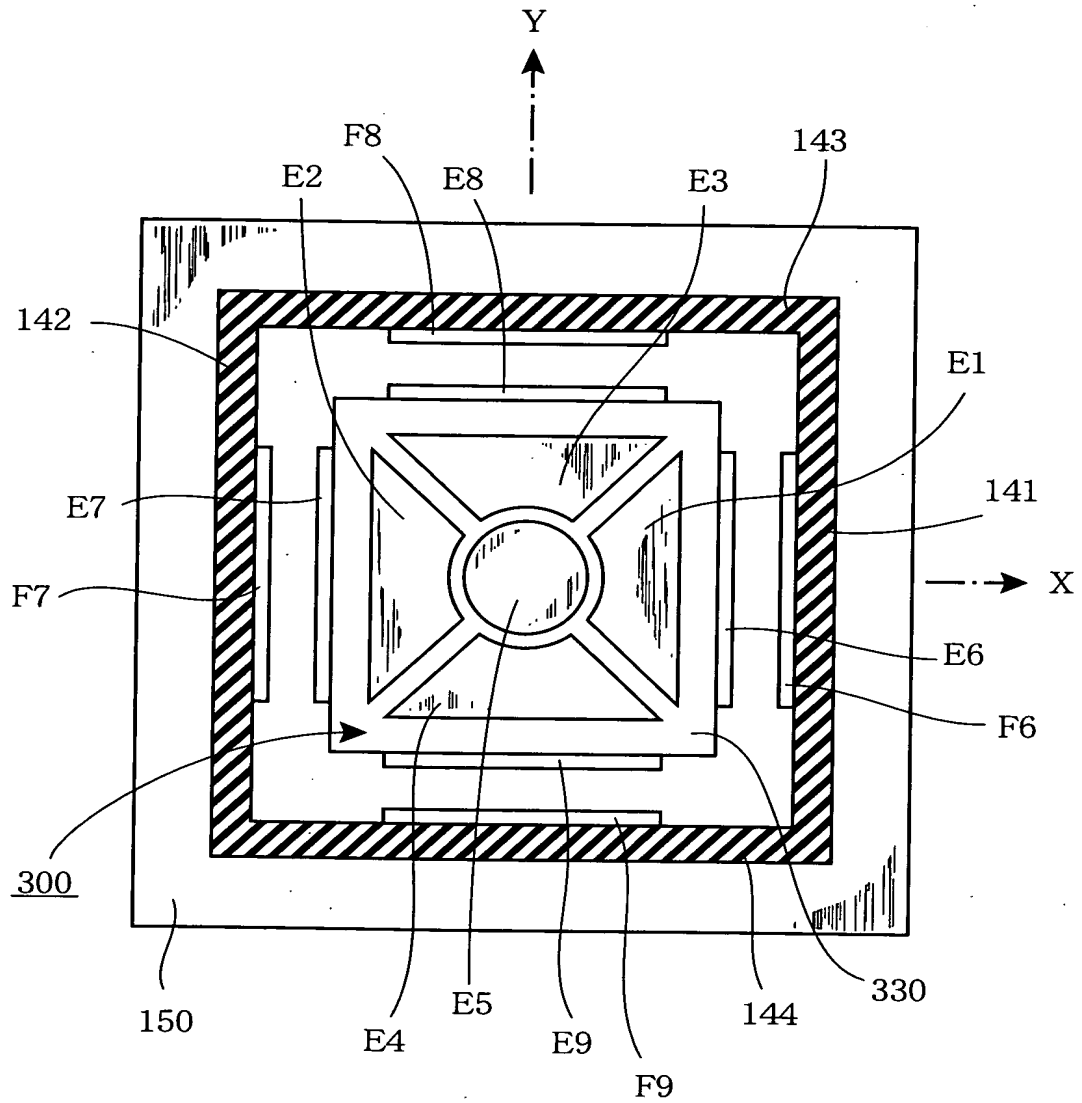
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Fig.3



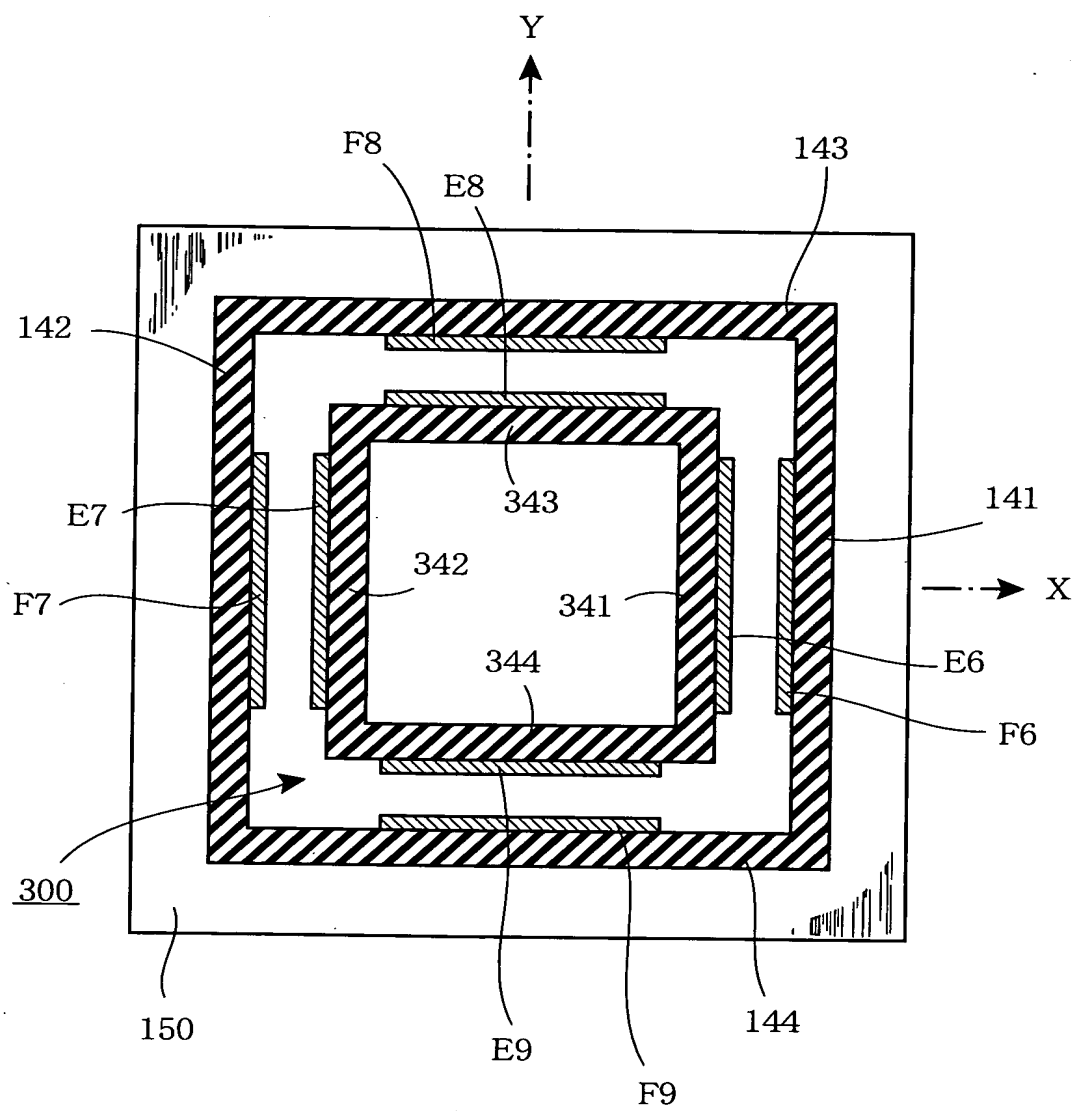
4/27

Fig.4



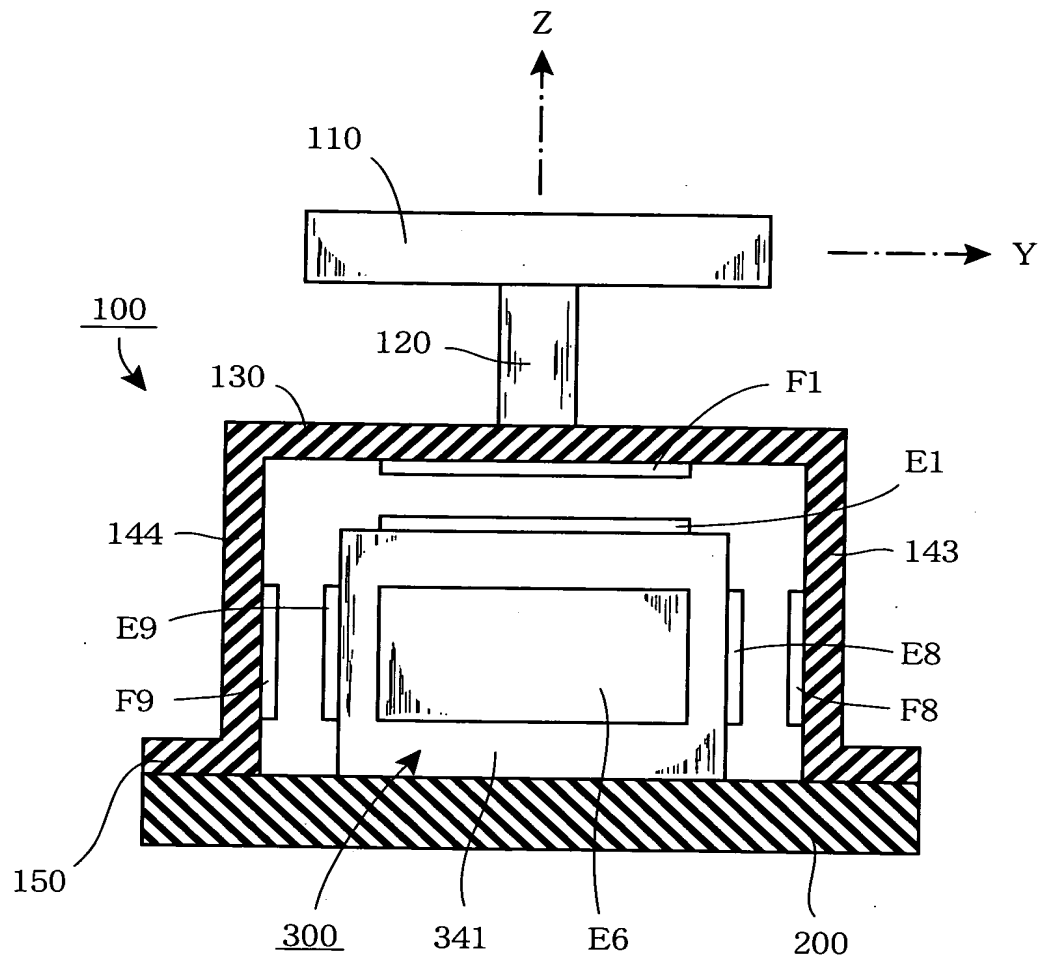
5/27

Fig.5



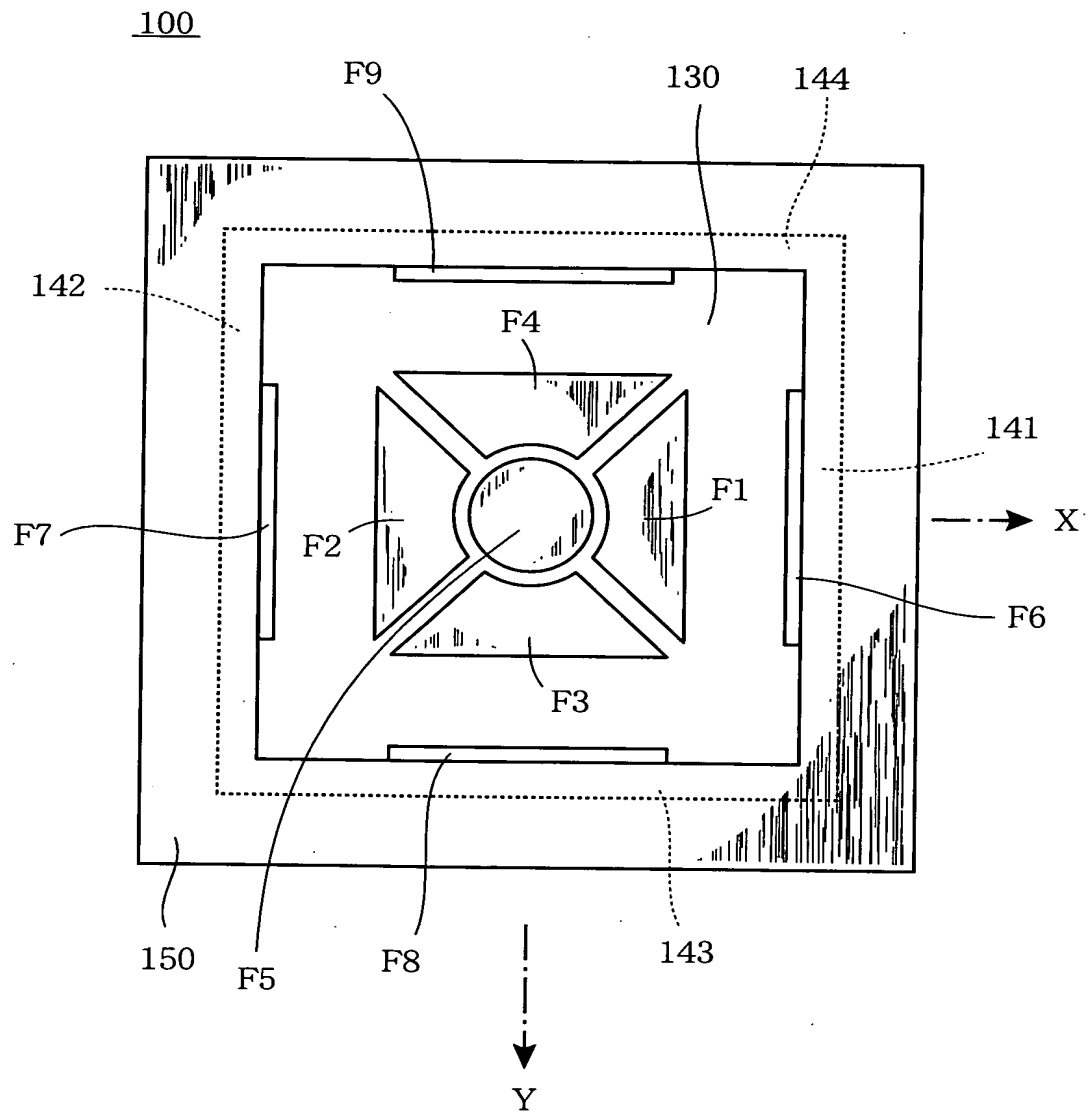
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Fig.6



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Fig.7



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Fig.8A

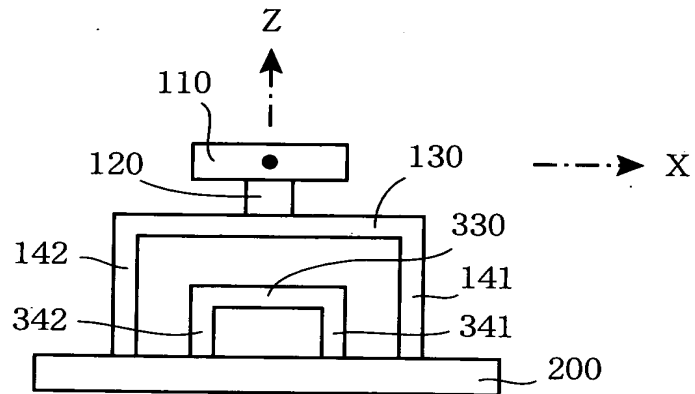


Fig.8B

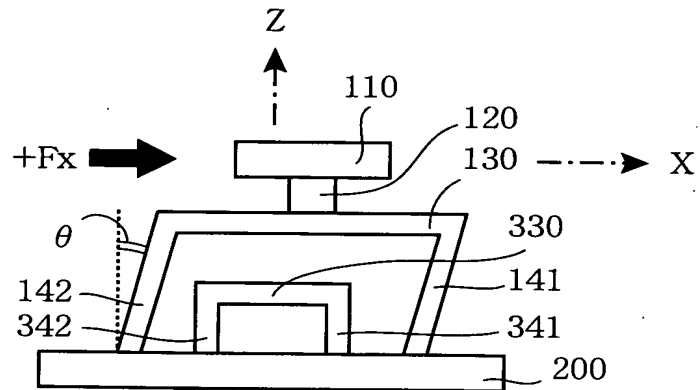
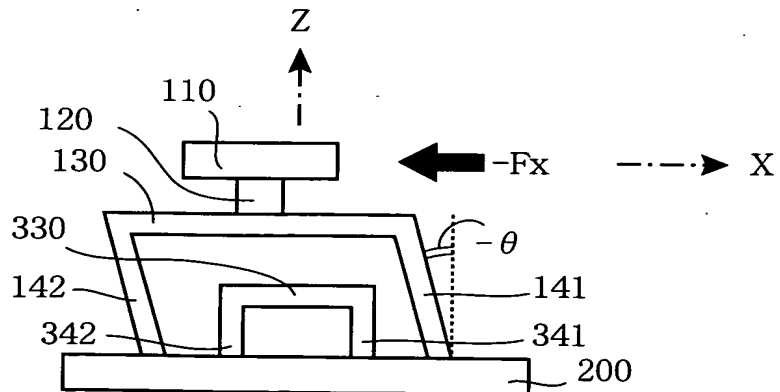


Fig.8C



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Fig.9A

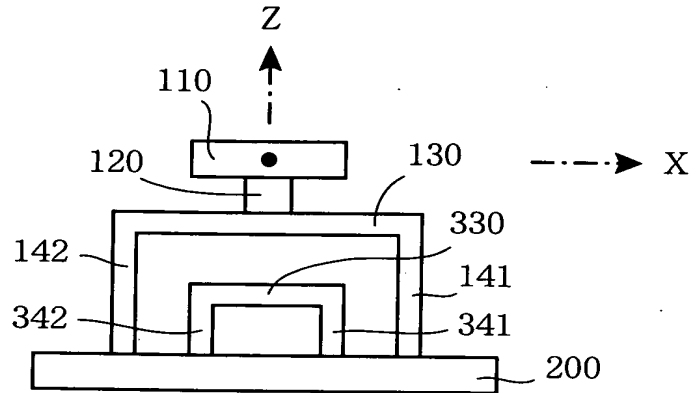


Fig.9B

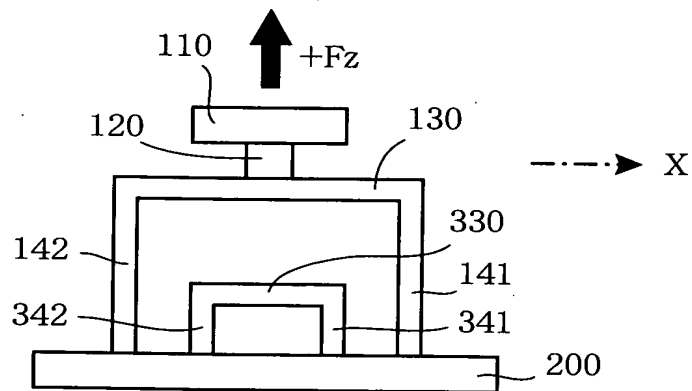
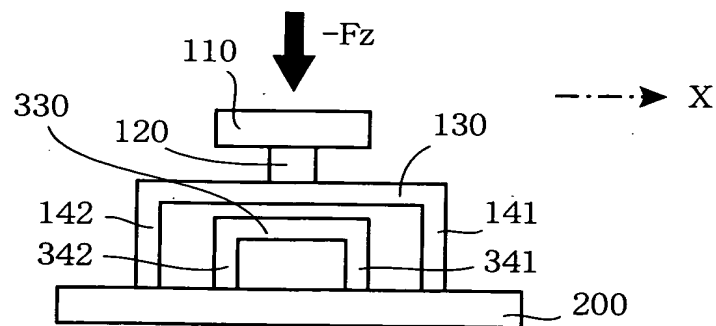


Fig.9C



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Fig.10A

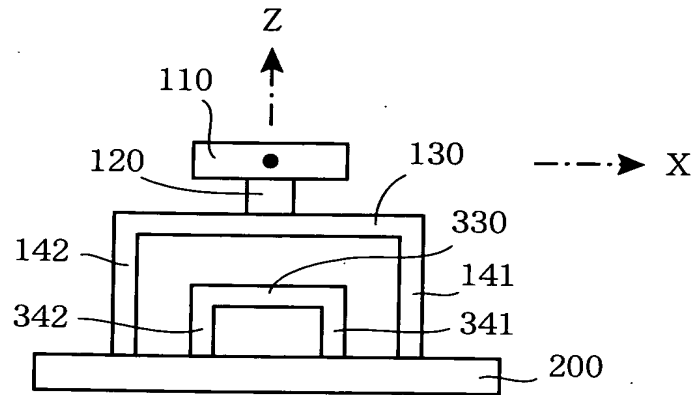


Fig.10B

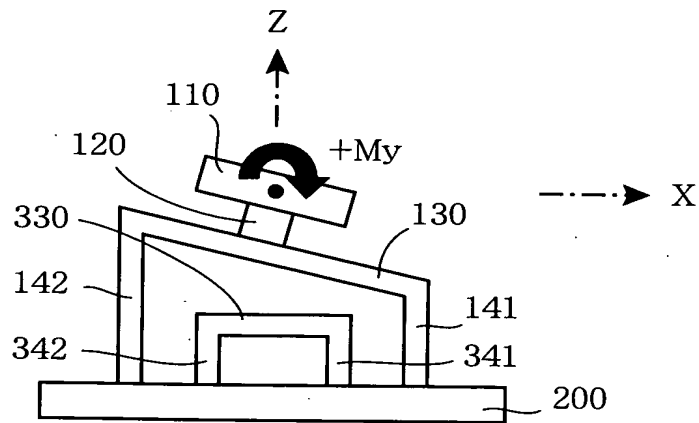
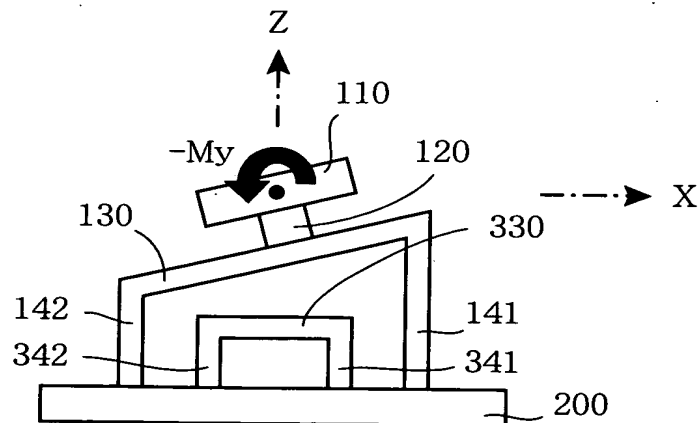


Fig.10C



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Fig.11

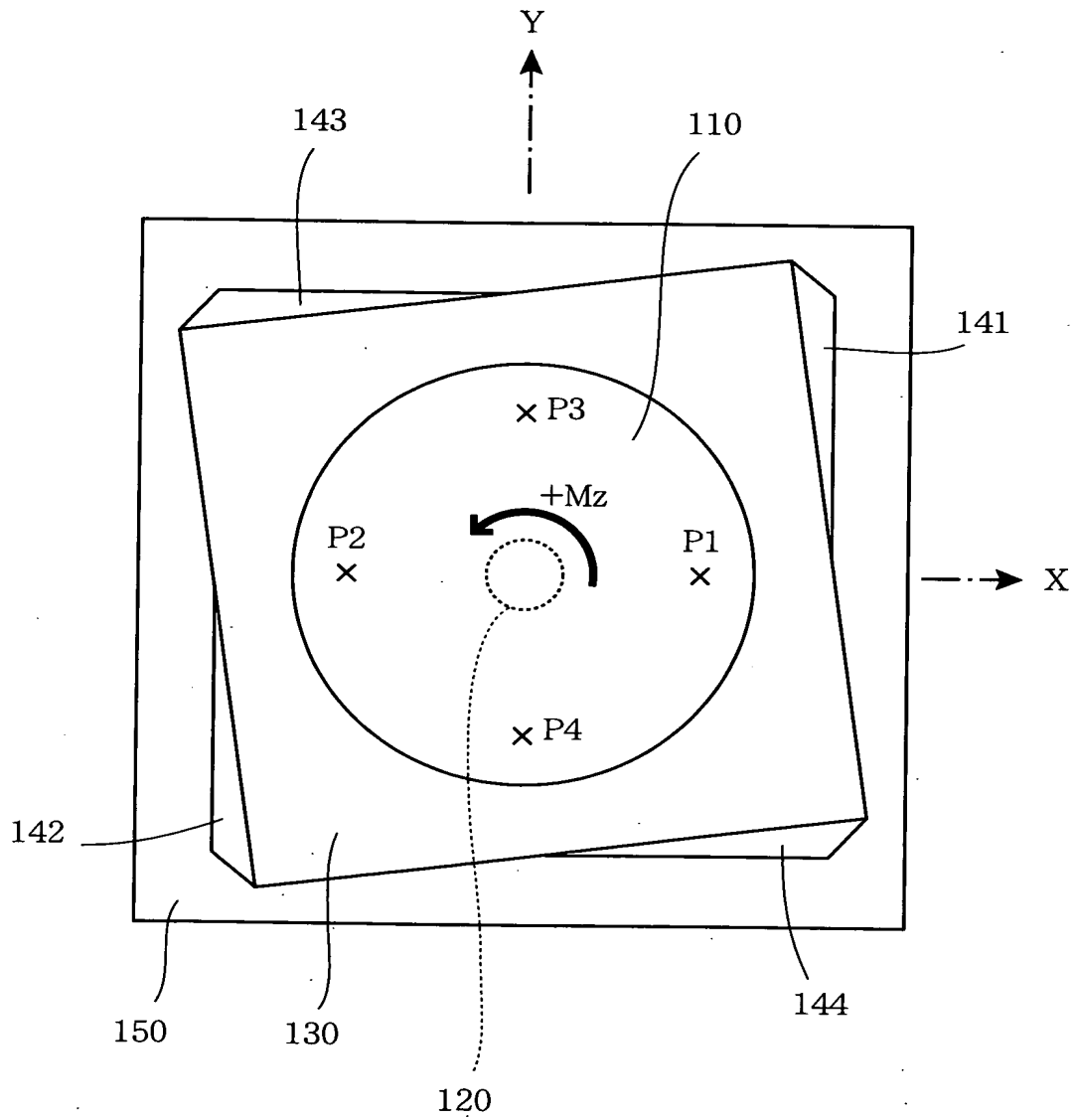
	C1	C2	C3	C4	C5	C6	C7	C8	C9
+Fx	0	0	0	0	0	-	+	0	0
-Fx	0	0	0	0	0	+	-	0	0
+Fy	0	0	0	0	0	0	0	-	+
-Fy	0	0	0	0	0	0	0	+	-
+Fz	-	-	-	-	-	0	0	0	0
-Fz	+	+	+	+	+	0	0	0	0
+Mx	0	0	-	+	0	0	0	0	0
-Mx	0	0	+	-	0	0	0	0	0
+My	+	-	0	0	0	0	0	0	0
-My	-	+	0	0	0	0	0	0	0

Fig.12

$$\left\{ \begin{array}{l}
 F_x = C_7 - C_6 \\
 F_y = C_9 - C_8 \\
 F_z = -C_5 \\
 \left(\begin{array}{l} \text{OR } F_z = -(C_1 + C_2 + C_3 + C_4 + C_5) \\ \text{OR } F_z = -(C_1 + C_2 + C_3 + C_4) \end{array} \right) \\
 M_x = C_4 - C_3 \\
 M_y = C_1 - C_2
 \end{array} \right.$$

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Fig.13



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Fig.14A

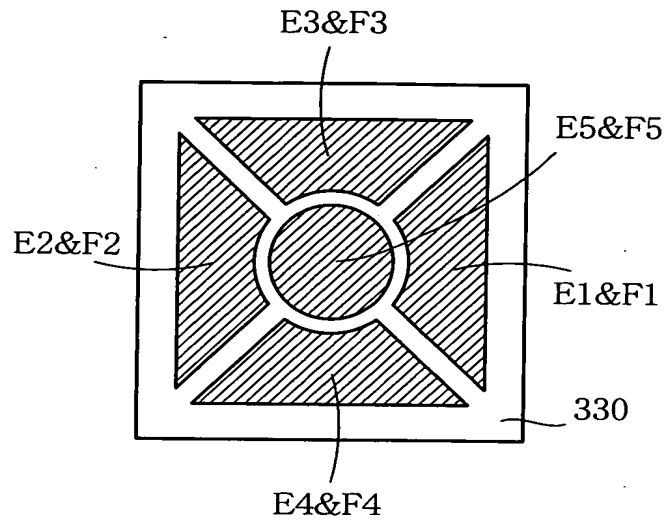


Fig.14B

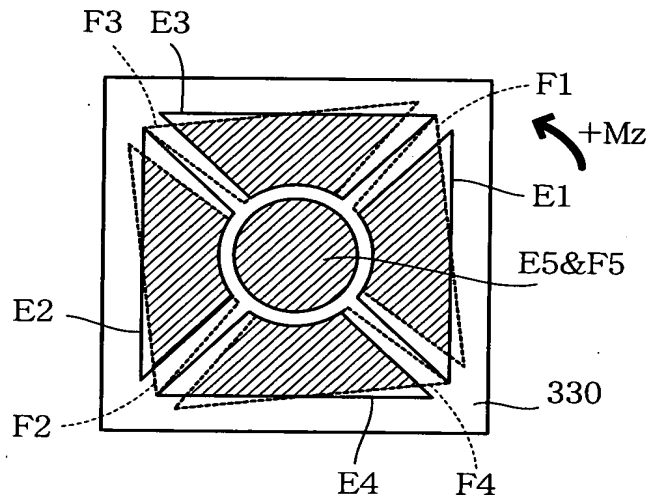
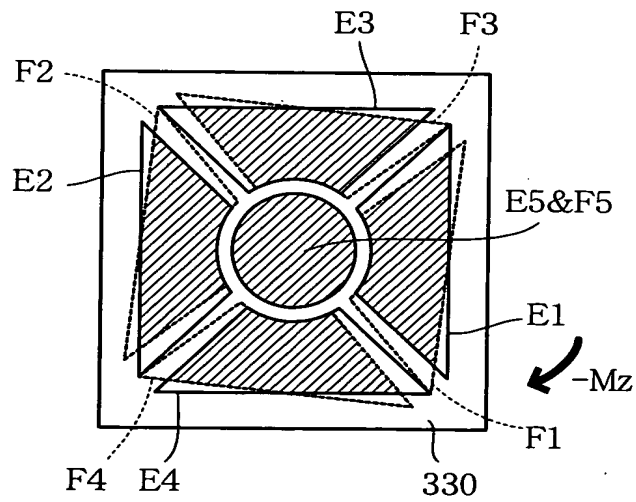


Fig.14C



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Fig.15A

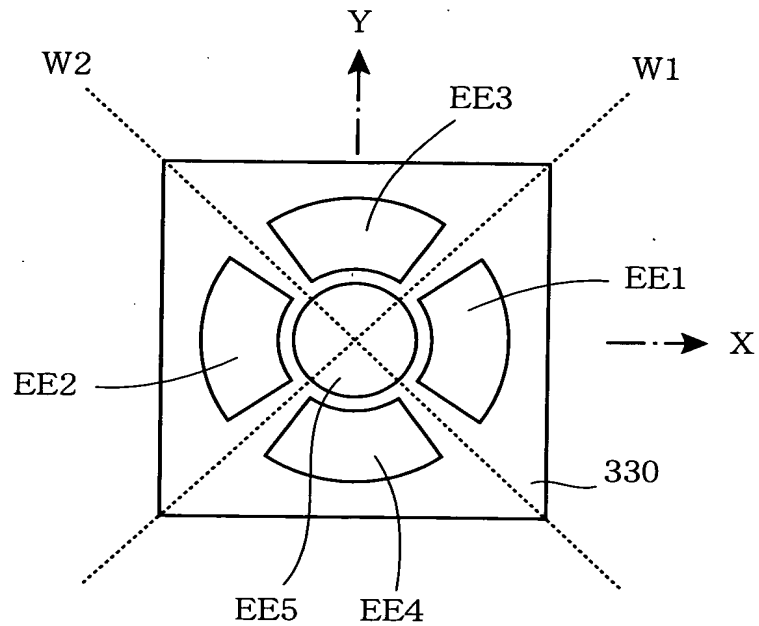
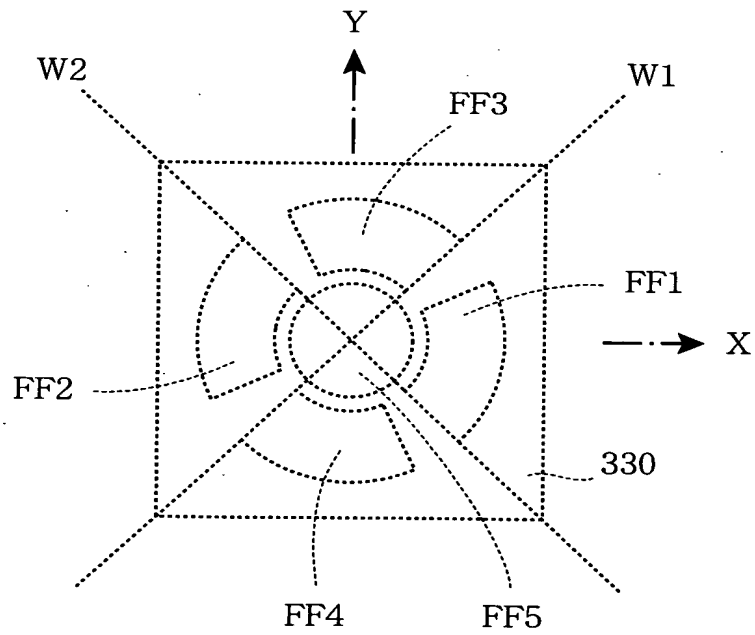


Fig.15B



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Fig.16A

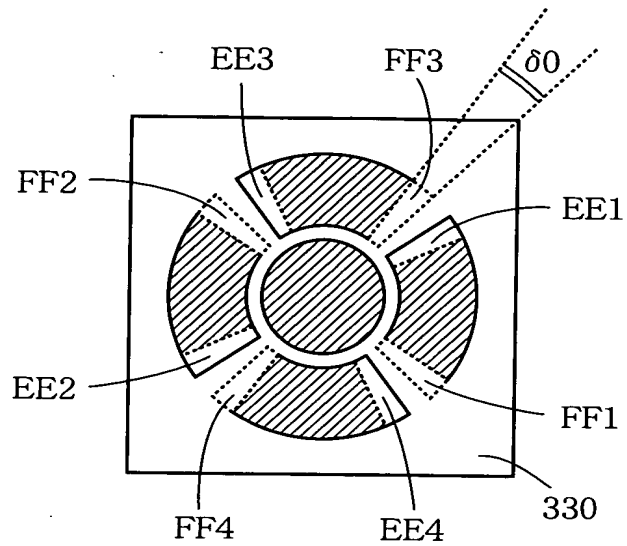


Fig.16B

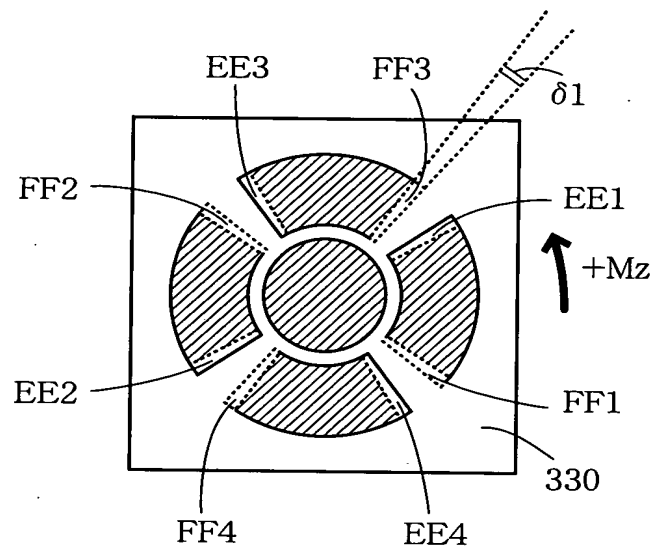
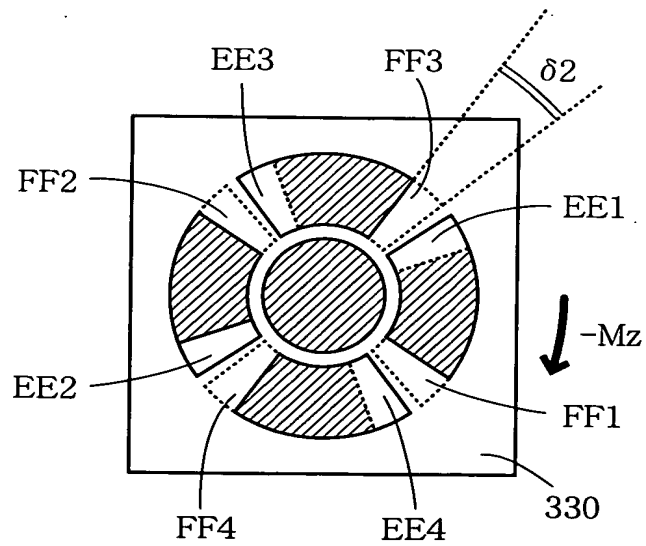


Fig.16C



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Fig.17

	C1	C2	C3	C4	C5	C6	C7	C8	C9
+Fx	0	0	0	0	0	-	+	0	0
-Fx	0	0	0	0	0	+	-	0	0
+Fy	0	0	0	0	0	0	0	-	+
-Fy	0	0	0	0	0	0	0	+	-
+Fz	-	-	-	-	-	0	0	0	0
-Fz	+	+	+	+	+	0	0	0	0
+Mx	0	0	-	+	0	0	0	0	0
-Mx	0	0	+	-	0	0	0	0	0
+My	+	-	0	0	0	0	0	0	0
-My	-	+	0	0	0	0	0	0	0
+Mz	+	+	+	+	0	0	0	0	0
-Mz	-	-	-	-	0	0	0	0	0

Fig.18

$$\left\{ \begin{array}{l}
 F_x = C_7 - C_6 \\
 F_y = C_9 - C_8 \\
 F_z = -C_5 \\
 \left(\begin{array}{l} \text{OR } F_z = -(C_1 + C_2 + C_3 + C_4 + C_5) \\ \text{OR } F_z = -(C_1 + C_2 + C_3 + C_4) \end{array} \right) \\
 M_x = C_4 - C_3 \\
 M_y = C_1 - C_2 \\
 M_z = C_1 + C_2 + C_3 + C_4 - f(F_z)
 \end{array} \right.$$

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Fig.20

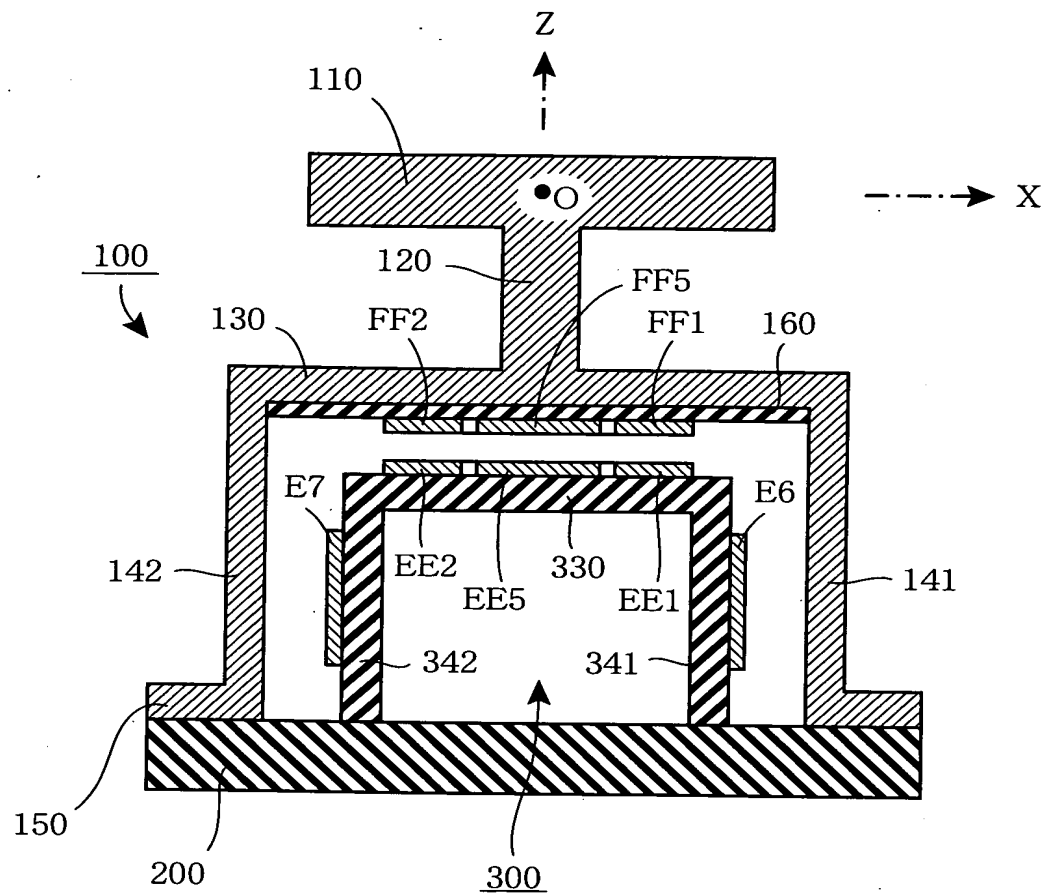
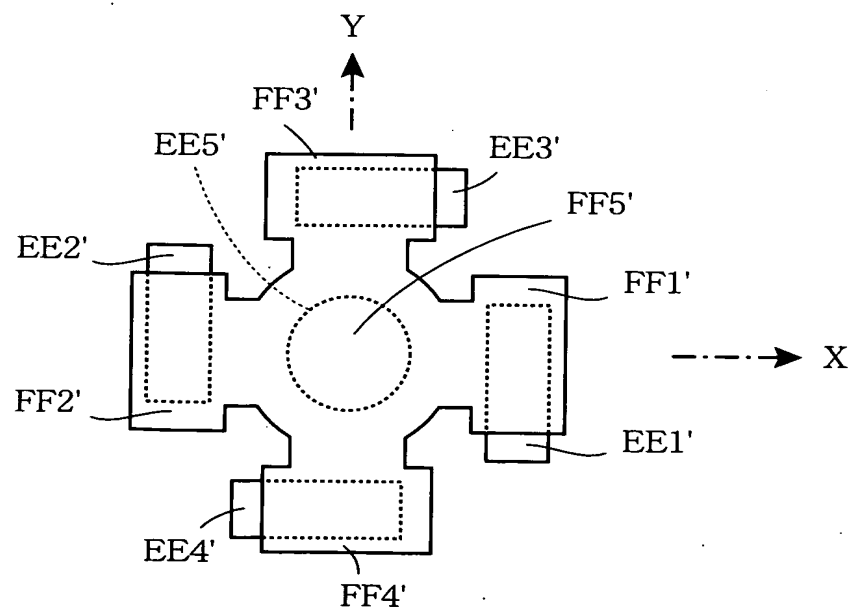


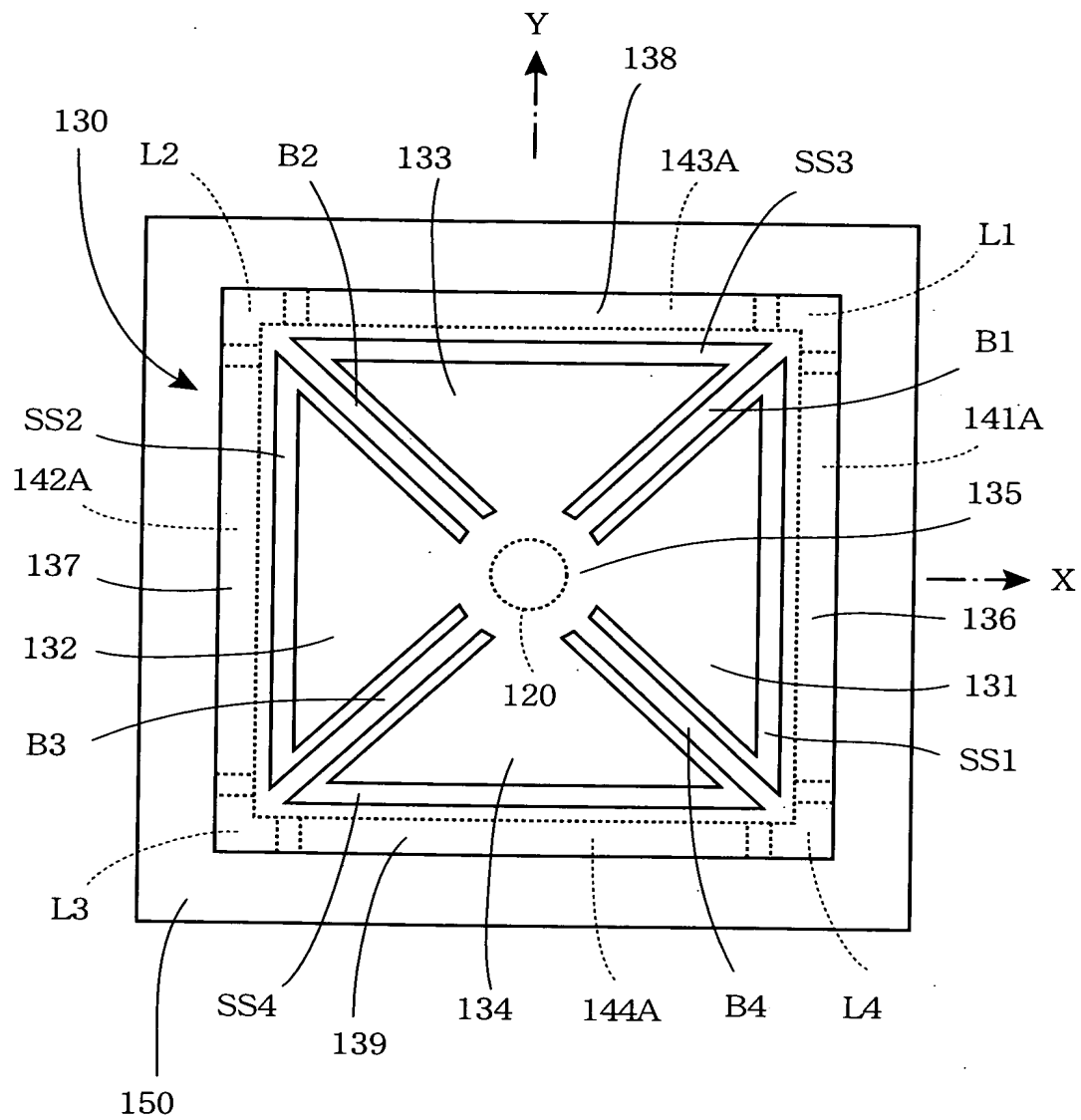
Fig.21



A schematic cross-sectional view of a device 100. The device includes a top layer 110, a central vertical structure 120, and a large rectangular block 130. Inside block 130 is a U-shaped cavity 140 with side walls 140A and 140B, and a bottom surface S. Below block 130 is a thin layer 150, and at the very bottom is a base 200. A coordinate system is shown with a vertical Z-axis and a horizontal X-axis.

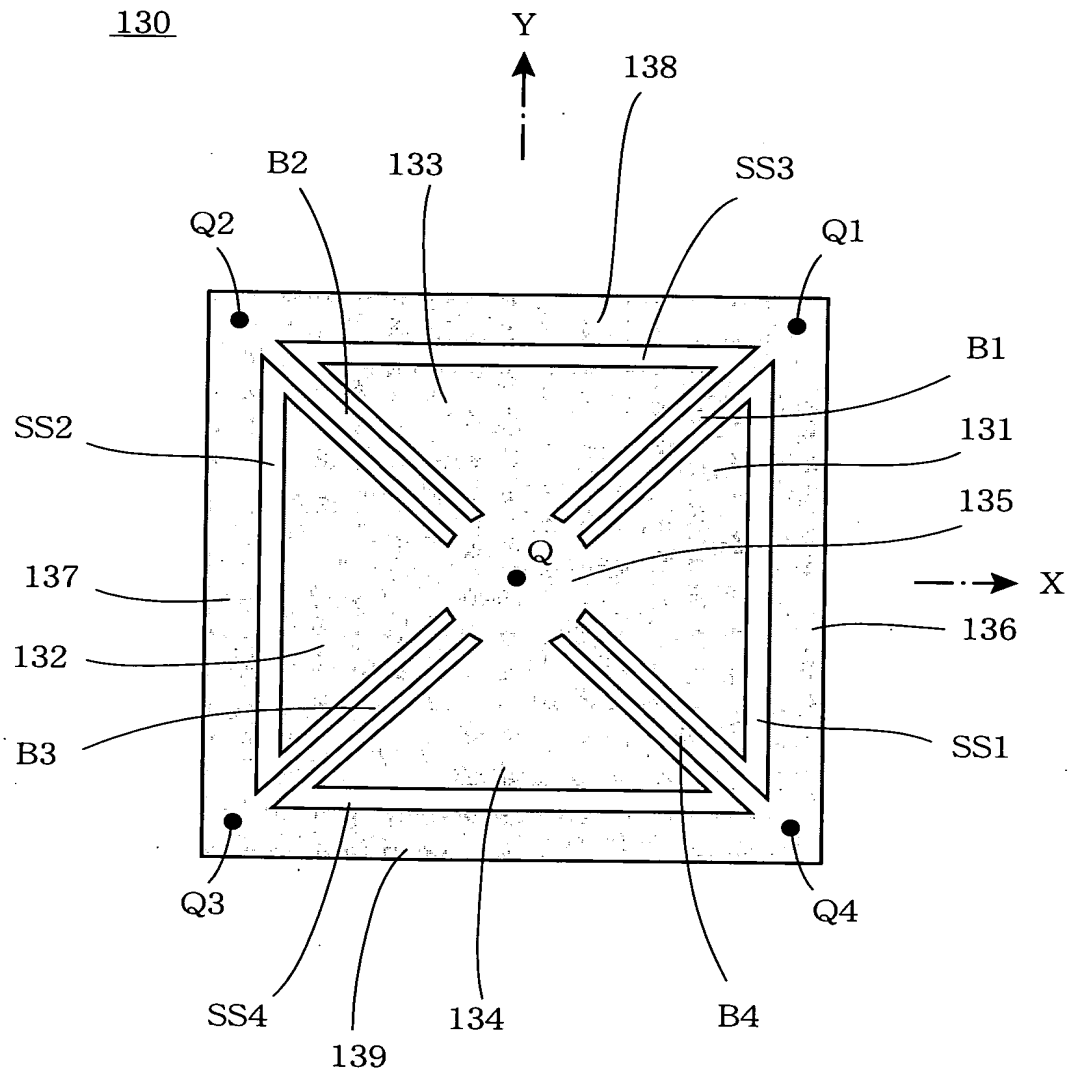
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Fig.25



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Fig.26



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Fig.27

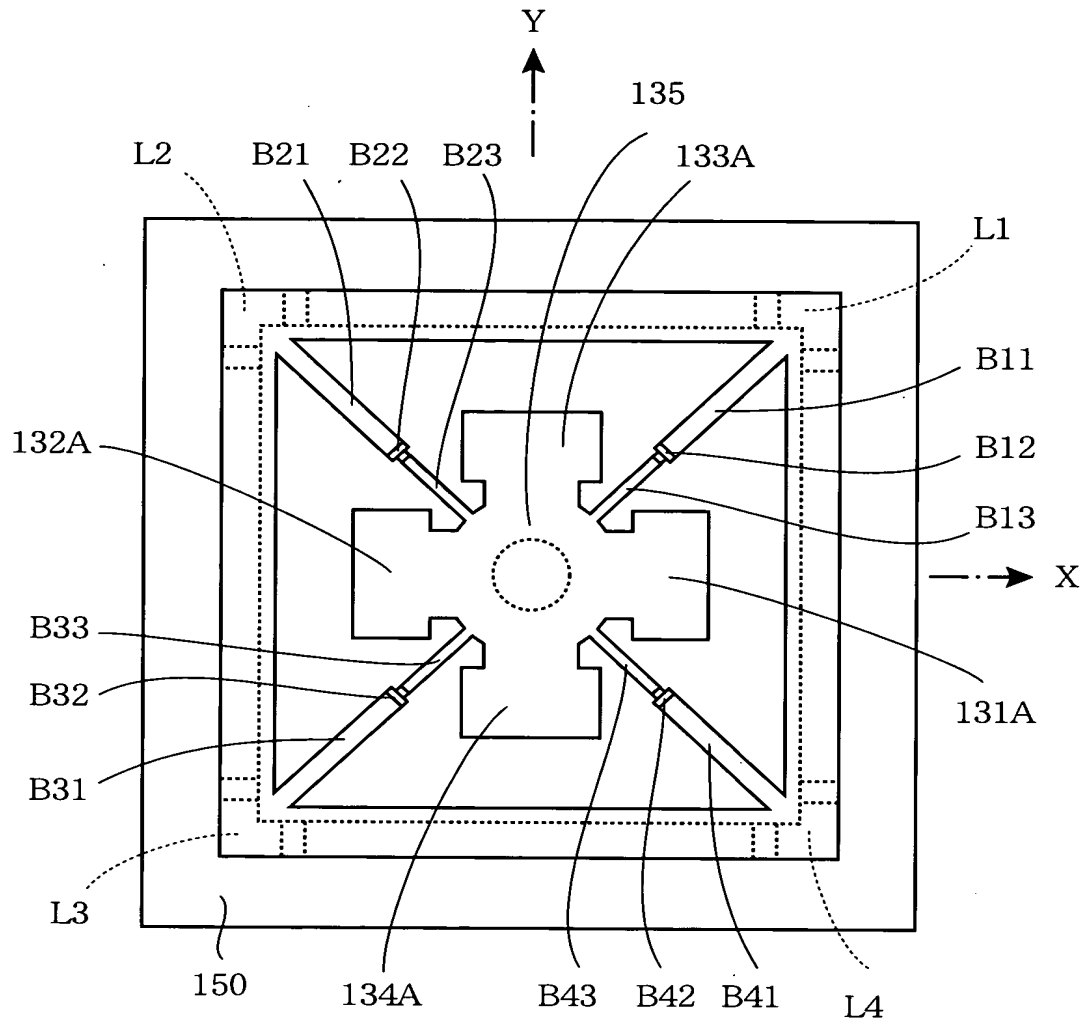
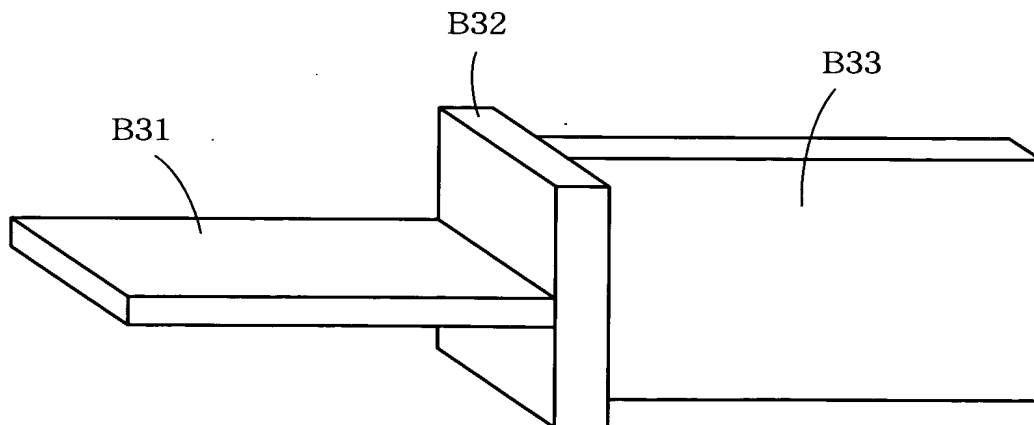
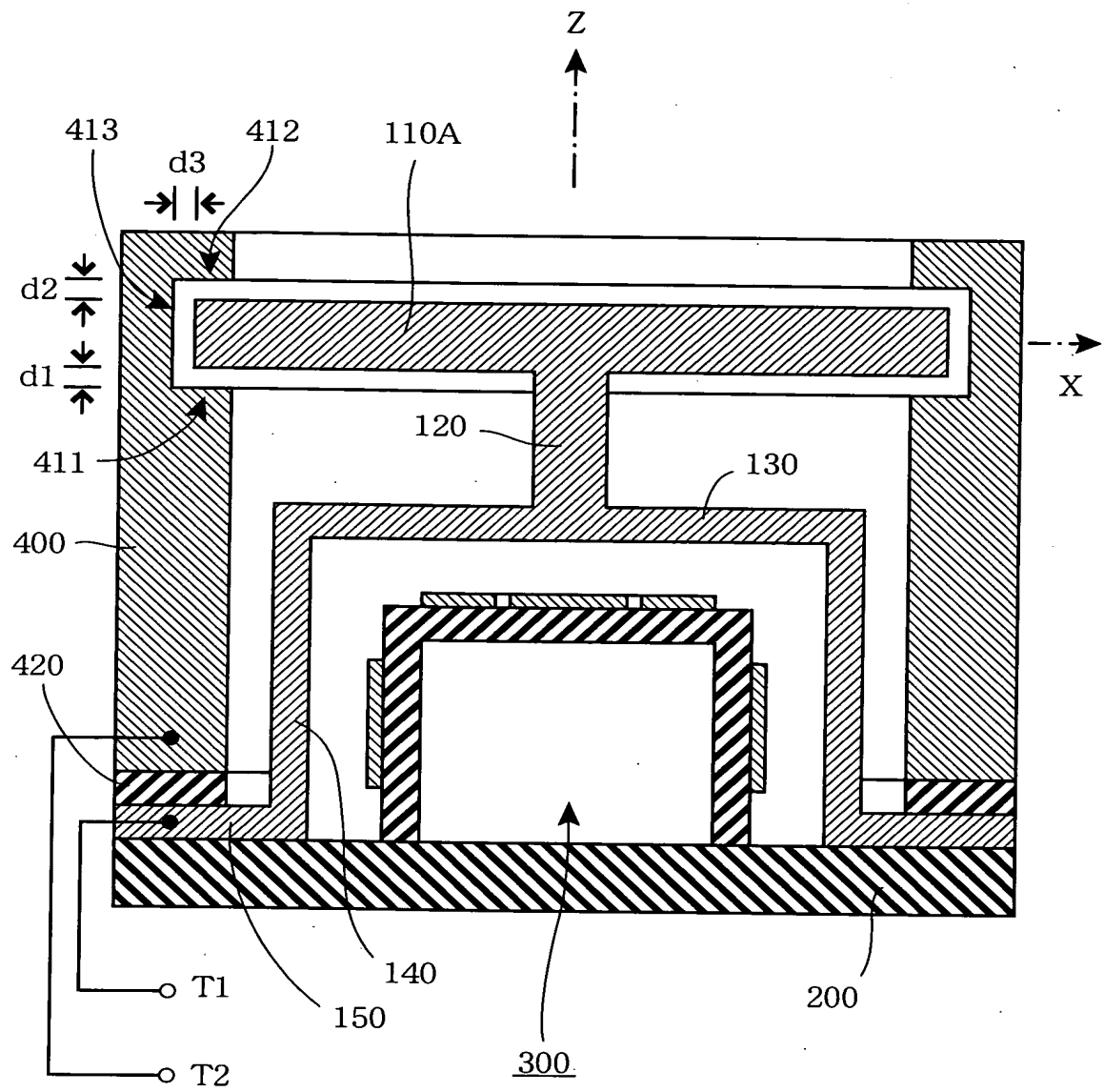


Fig.28



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Fig.29



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Fig.30A

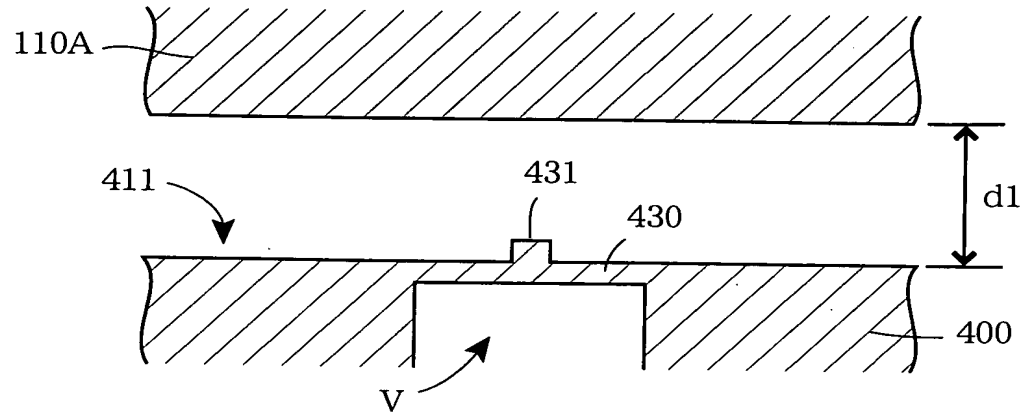


Fig.30B

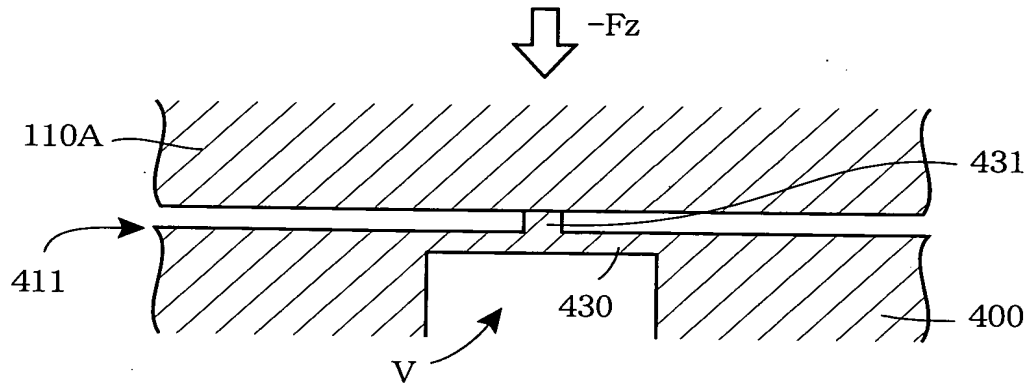
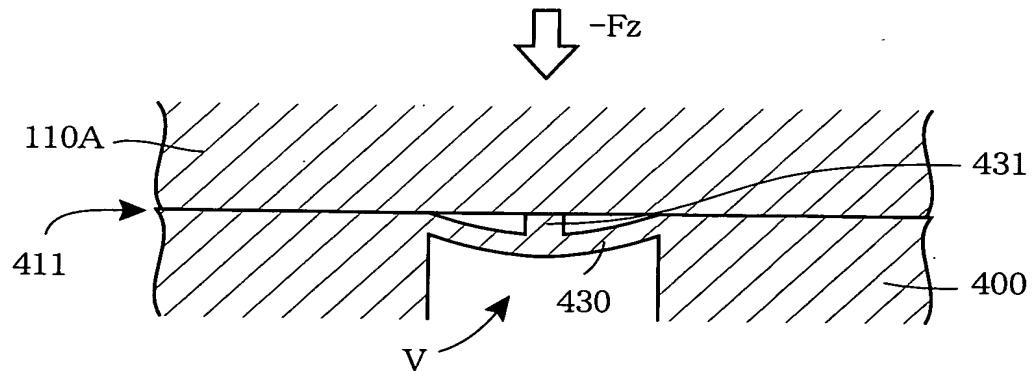


Fig.30C



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Fig.31A

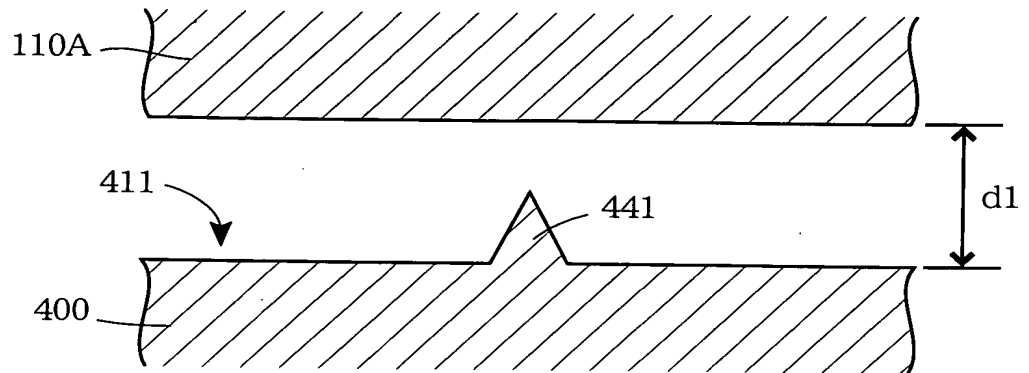


Fig.31B

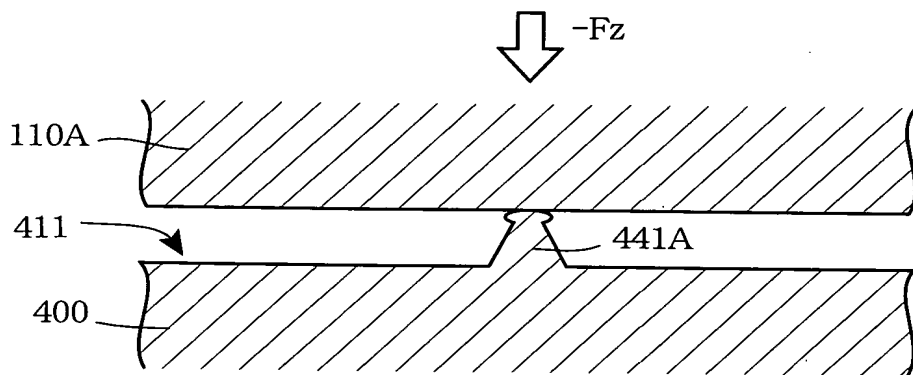


Fig.31C

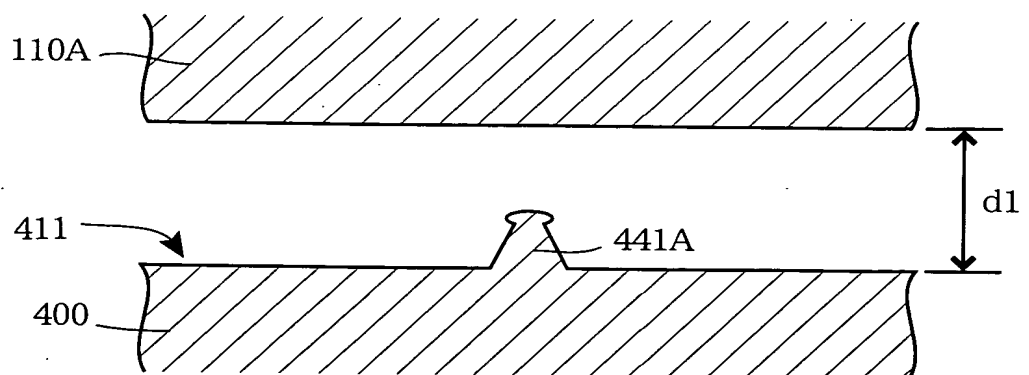


Fig.32

